ABSTRACT OF THE DISCLOSURE

A system and method for facilitating cross-process access into a managed code process is useful in an embodiment of the invention for debugging managed code without perturbing the process being accessed or requiring the code under test to be running during debugging. A compiler according to an embodiment of the invention is used to produce mirror code wherein in-process pointers have been replaced with cross-process pointers in order to mirror the address space of the process under test to the address space of the mirror code process. In a further embodiment, the mirror code process is modified not only to allow but also to optimize the cross-process access.